

AN ORDINANCE approving the awarding of I.T.B. #7104 by the City of Fort Wayne, Indiana, by and through its Department of Purchasing and NICOLET INSTRUMENT CORP. for the WATER POLLUTION CONTROL PLANT.

NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA;

SECTION 1. That I.T.B. #7104 between the City of Fort Wayne, by and through its Department of Purchasing and NICOLET INSTRUMENT CORP. (bid not awarded to the low bidder) for the Water Pollution Control Plant, respectfully for:


the purchase of a FITR spectrophotometer system for the Water Pollution Control Plant;

involving a total cost of Thirty Thousand Nine Hundred Twenty-Nine and no/100 Dollars (\$30,929.00), all as more particularly set forth in said I.T.B. #7104, which is on file in the Office of the Department of Purchasing, and is by reference incorporated herein, made a part hereof, and is hereby in all things ratified, confirmed and approved.

SECTION 2. That this Ordinance shall be in full force and effect from and after its passage and any and all necessary approval by the Mayor.


Council Member

APPROVED AS TO FORM
AND LEGALITY


J. Timothy McCaulay, City Attorney

Read the first time in full and on motion by Talarico, seconded by _____, and duly adopted, read the second time by title and referred to the Committee on City Ordinances (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Common Council Conference Room 128, City-County Building, Fort Wayne, Indiana, on _____, the _____ day of _____, 19____, at _____ o'clock _____ M., E.S.T.

DATED: 2-14-95 Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Read the third time in full and on motion by Talarico, seconded by _____, and duly adopted, placed on its passage. PASSED ~~LOST~~ by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT
TOTAL VOTES	<u>7</u>			<u>2</u>
BRADBURY	<u>✓</u>			
EDMONDS				<u>✓</u>
GIAQUINTA	<u>✓</u>			
HENRY	<u>✓</u>			
LONG	<u>✓</u>			
LUNSEY	<u>✓</u>			
RAVINE	<u>✓</u>			
SCHMIDT				<u>✓</u>
TALARICO	<u>✓</u>			

DATED: 2-28-95 Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (ANNEXATION) (APPROPRIATION) (GENERAL) (SPECIAL) (ZONING) ORDINANCE RESOLUTION NO. S-18-95 on the 28th day of February, 1995.

ATTEST: (SEAL)
Sandra E. Kennedy Mark C. Giaquinta
SANDRA E. KENNEDY, CITY CLERK PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 1st day of March, 1995, at the hour of 10:30 o'clock A M., E.S.T.
Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Approved and signed by me this 6th day of March, 1995, at the hour of 6:30 o'clock P M., E.S.T.
Paul Helmke
PAUL HELMKE, MAYOR

BILL NO. S-95-02-08

REPORT OF THE COMMITTEE ON
CITY UTILITIES
SAMUEL J. TALARICO - JANET G. BRADBURY - CO-CHAIR
ALL COUNCIL MEMBERS

WE, YOUR COMMITTEE ON CITY UTILITIES TO WHOM WAS

REFERRED AN (ORDINANCE) (~~RESOLUTION~~) approving the awarding of
I.T.B. #7104 through its Department of Purchasing and NICOLET INSTRUMENT
CORP. for the WATER POLLUTION CONTROL PLANT

HAVE HAD SAID (ORDINANCE) (~~RESOLUTION~~) UNDER CONSIDERATION
AND BEG LEAVE TO REPORT BACK TO THE COMMON COUNCIL THAT SAID
(ORDINANCE) (~~RESOLUTION~~)

DO PASS

DO NOT PASS

ABSTAIN

NO REC

Sam Talarico

Robert Ferris

Mark C. G. Santa

D. Silva

J. Bradbury

J. H. Hirsch

Frank J. Hirsch

Chris Rony

Chris Rony

Chris Rony

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Chris Rony


DATED: 2-28-95

Sandra E. Kennedy
City Clerk

REF. NO.:	7104
DEPT:	WPP
DATE:	01/25/95
ITEM/SERVICE:	PURCHASE OF SPECTROPHOTOMETER SYSTEM
ADVERTISED BID:	YES
DATES ADVERTISED:	10/17/94 & 10/24/94
DATE OPENED:	11/03/94
SINGLE SOURCE:	NO
NO. OF VENDORS NOTIFIED:	7
NO. OF VENDORS RECEIVING BID:	4
NO. OF VENDORS RETURNING BID:	3
NO. OF VENDORS DISQUALIFIED:	0
NO. OF VENDORS NOT RESPONDING:	4
DATE SENT TO DEPT FOR RECOMM:	11/10/94
DATE RECOMM RECEIVED BACK:	01/25/95
DATE SENT TO LAW DEPT:	01/25/95
INTRODUCTION DATE:	02/14/95
DISCUSSION DATE:	02/21/95
PASSAGE DATE:	02/28/95

ITB #7104
SPECTROPHOTOMETER SYSTEM
WPC PLANT

11/07/94

ITEM/DESCRIPTION	ATI INSTRUMENTS	NICOLET INSTR	PERKIN ELMER
COST OF SYSTEM	\$30,305.00	\$26,099.00	\$28,466.00
LESS DISCOUNTS	\$5,405.00	\$947.00	\$3,766.29
TOTAL	\$24,900.00	\$25,152.00	\$24,699.71
COST OF SHIPPING	N/A	\$200.00	N/A
OPTIONAL MATERIALS REQUESTED			
ALDRICH MATERIAL SPECIFIC LIBRARIES		\$921.00	
HUMMEL POLYMER LIBRARY		\$1,746.00	
COATINGS TECHNOLOGY LIBRARY		\$2,910.00	
GRAND TOTAL	\$24,900.00	\$30,929.00	\$24,699.71
DELIVERY TIME ARO	45 DAYS ARO	30 DAYS	8 WEEKS
VALIDITY	60 DAYS	60 DAYS	30 DAYS
DD APPROVAL: 			

FTIR SPECIFICATIONS TAB SHEET

<u>Specifications</u>	<u>Perkin Elmer</u>	<u>ATI/Mattson</u>	<u>Nicolet</u>
1. <u>Overall System</u>			
a. All optics sealed	Yes	No. Detector and mirror not sealed, exposed to atmosphere.	Yes
b. Windows based software	Yes	Yes	Yes
c. Operate on 115 VAC	Yes	Yes	Yes
d. On-screen help program	Yes	Yes	Yes
2. <u>Hardware</u>			
a. Flex-pivot interferometer	No. Michelson type.	Yes	Yes
1 wavenumber resolution	Yes	Yes	Yes
b. Germanium/Potassium Bromide beamsplitter	Yes	Yes	Yes
c. Vibration isolated baseplate	Yes	Yes	Yes
d. Purgeable optical bench	Yes	Yes	Yes
3. <u>Detectors</u>			
a. DTGS detector	No. Lithium tantalate.	Yes	Yes
(Chosen for superior Signal to Noise Ratio)	S/N Ratio=1123:1	S/N Ratio=2273:1	S/N Ratio=3333:1
b. Spectral range 7800-400 wavenumbers	Yes	Yes	Yes
4. <u>Source</u>			
a. Long-life high energy IR source	Yes	Yes	Yes
b. 5 year warranty	Yes	Yes	Yes
5. <u>Spectrometer Performance</u>			
a. Resolution range 1-16 wavenumbers	Yes	Yes	Yes
b. 0.01 accuracy, 0.1%T precision	Yes	Yes	Yes
c. Scan speed 0.15 to 1.5 cm/s	Yes	Yes	Yes
6. <u>Sample Compartment</u>			
a. Dimensions at least 8.5"x12"x7",	Yes	No. 7.6"x8"x6.3"	Yes
b. Slide mount holder	Yes	Yes	Yes
7. <u>Computer Specifications</u>			
a. 486DX2 processor	Yes	Yes	Yes
33 MHz clock	Yes	Yes	Yes
8 MB RAM	Yes	Yes	Yes
240 MB hard drive	Yes	Yes	Yes
b. 512K Super VGA monitor	Yes	Yes	Yes
1.44MB 3.5" floppy drive	Yes	Yes	Yes
101 key keyboard	Yes	Yes	Yes
Mouse	Yes	Yes	Yes
15" color monitor	Yes	No. 14" monitor	Yes
0.28 mm dot pitch monitor	Yes	Yes	Yes
Low radiation monitor	Yes	Yes	Yes
1024x768 display	Yes	Yes	Yes
c. HP Deskjet 560c or equivalent	No. HP 550c	Yes	Yes
d. DOS 6.2 or better	No. DOS 5.0	Yes	Yes
Windows 3.1 or better	Yes	Yes	Yes
8. <u>Software Specifications</u>			
a. Windows compatible	Yes	Yes	Yes
b. Real-time data display	No. Updates after scan.	No. Updates after scan.	Yes
Multi-tasking	Yes	Yes	Yes
c. Auto ATR correction	Yes	Yes	Yes
Auto dispersion correction	Yes	Yes	Yes
d. Real-time on-line diagnostics	Yes	Yes	Yes
e. Integrated search programs	Yes	Yes	Yes
f. Data validation	Yes	Yes	Yes
Audit trail	Yes	Yes	Yes
g. Creation of searchable libraries	Yes	Yes	Yes

<u>Specifications</u>	<u>Perkin Elmer</u>	<u>ATI/Mattson</u>	<u>Nicolet</u>
9. <u>Bench Maintenance</u>			
a. User replaceable IR source	Yes	Yes	Yes
User replaceable laser	Yes	Yes	Yes
User replaceable laser power supply	No	Yes	Yes
User replaceable detector	No	No	Yes
b. Real-time on-line diagnostics	No	No	Yes
for power supply voltages			
Real-time on-line diagnostics	No	No	Yes
for laser voltages			
Real-time on-line diagnostics	Yes	No	Yes
for detector operation			
Real-time on-line diagnostics	No	No	Yes
for source voltages			
10. <u>Spectral Libraries</u>			
a. Sadtler Petroleum or equivalent	Yes	Yes	Yes
b. Sadtler Coatings or equivalent	Yes	Yes	Yes
c. Sadtler Monomer/Polymer or equivalent	Yes	Yes	Yes
11. <u>Accessories</u>			
a. Horizontal ATR/45° ZnSe	Yes	Yes	Yes
b. 2 liquid cells	Yes	Yes	Yes
c. KBr/BaF ₂ sample windows	Yes	Yes	Yes
12. <u>Training</u>			
Operations	Yes	Yes	Yes
Maintenance	No	Yes	Yes
Hardware	No	Yes	Yes
Applications	No	Yes	Yes
13. <u>Shipping</u>			
All charges FOB destination	Yes	Yes	Yes
14. <u>Demonstration</u>			
Demo of exact model	No	Yes	Yes
(Purchasing Dept. Article B.3.1)			
Demo in Fort Wayne area	No	Yes. On-site	Yes. On-site
(Purchasing Dept. Article B.3.2)			
Demo at alternate location	No	N/A	N/A
(Purchasing Dept. Article B.3.3)			
 Total Cost	 <u>\$24,699.71</u>	 <u>\$24,900.00</u>	 <u>\$30, 929.00</u>

Jim Cornell
 Jim Cornell

01/17/95



The City of Fort Wayne

Paul Helmke, Mayor

MEMORANDUM

DATE: January 12, 1995
TO: Fort Wayne City Council
FROM: Neil Wisler, Superintendent, WPC Plant
RE: I.T.B. #7104, FTIR Spectrophotometer

The instrument being purchased is replacing an existing twelve (12) year old laboratory instrument.

Since our unit does not function properly and electrical repair components are no longer available, it is cost effective to purchase the unit from Nicolet.

S-95-02-08

DIGEST SHEET

TITLE OF ORDINANCE: Special

DEPARTMENT REQUESTING ORDINANCE: Purchasing

SYNOPSIS OF ORDINANCE: An ordinance approving the award of I.T.B. No. 7104 for the a FITR spectrophotometer system for the Water Pollution Control Plant.

IF NOT LOWEST, WHO WAS AND WHY WERE THEY NOT AWARDED: Low bidders did not meet certain specifications. Specifications written to ensure high signal to noise ratio and reduced maintenance and repair costs over life of instrument.

EFFECT OF PASSAGE: Infrared analysis is used to identify unknown chemical substances in industrial discharges, spills, dumps, treatment plant influent, etc.

IF REPLACEMENT, WHAT NECESSITATES: Existing infrared spectrophotometer is 12 years old. Instrument no longer functions as designed. Electrical repair components no longer available.

EFFECT OF NON-PASSAGE: Cannot identify unknown chemical substances in wastewater as required per our N.P.D.E.S. permit.

MONIES INVOLVED: Nicolet Instrument \$30,929.00

PRICE AGREEMENT: PURCHASE ORDER: Yes

SOURCE OF FUNDING: WPC Plant 514-533-S101-4444

PRIOR APPROVAL: DATE:
(IF APPLICABLE)

Total amount spent: \$0.00